

9198-230

10/28/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460



OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Debbie Ziehr
Regulatory Administrator
The Andersons Lawn Fertilizer Division, Inc.
P.O. Box 119
Maumee, OH 43537

OCT 28 2014

Subject: Label Amendment – Adding approved uses for Nursery and Ornamentals
Product Name: Andersons Golf Products Kansel + Fertilizer
EPA Registration Number: 9198-230
Application Date: June 16, 2014
Decision Number: 492525

Dear Ms. Ziehr:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). If you have any questions, please contact Shanta Adeeb by phone at 703-347-0502, or via email at adeeb.shanta@epa.gov.

Sincerely,

Kathryn Montague, Product Manager 23
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

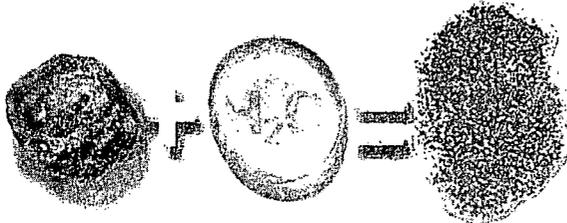
Andersons Golf Products Kansel + Fertilizer

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- Provides control of sprouting annual broadleaf weeds
- Provide initial green-up
- Provides preemergent control or suppression of crabgrass, Poa Annua, goosegrass, foxtail, chickweed, oxalis, spurge and other annual weed grasses and broadleaf weeds.
- Provides a feeding of fertilizer.
- Pre-emergent herbicide can be used in turf, container nursery and field grown ornamentals
- Controls 35 grassy and broadleaf weeds as listed
- Utilizes Dispersible Granule Technology*

ACCEPTED

OCT 28 2014



Insecticide,
Herbicide Act,
Pesticide
9198-230

- Utilizes DG Pro carrier
- Granules will disperse through mulch with precipitation or irrigation
- For use on turf, landscape ornamental and nursery ornamentals
- Provides a light nitrogen feeding.
- Provides a selective control of sprouting goosegrass, crabgrass, foxtail, Poa Annua, and other sprouting annual weed grasses.
- Controlled-Release nitrogen provides uniform growth with extended feeding.
- Provides a feeding of nitrogen
- Controls 18 annual grassy and broadleaf weeds: annual bluegrass, barnyardgrass, crabgrass, large; crabgrass, smooth; goosegrass; foxtail; Poa annua; barnyardgrass; fall panicum; field sandbur; annual sedge; oxalis; purslane; knotweed; and prostrate spurge.
- Provides shorter overseeding, reseeding or sprigging intervals (only 3 to 4 months) for a greener, thicker playing surface, faster.
- Labeled for use on bermudagrass, buffalograss, seashore paspalum, St. Augustinegrass, tall fescue, zoysiagrass and blends of these grasses.
- The XX-X-X formulation combines both slow and quick release nitrogen to provide prolonged feeding action, as well as excellent initial greening.
- Combination product combining oxadiazon and pendimethalin
- Slow release nitrogen provides uniform growth with extended feeding

* This refers to our patented dispersing granule technology which upon contact with water each granule disperses into thousands of micro particles that move into the root zone. Dispersibility eliminates problems with mower pick-up, sticky residue on equipment and product run-off.

Intended for sale to, use and storage by professional applicators only.

Not for use on Residential use sites.

ACTIVE INGREDIENTS:

Oxadiazon†.....	1.00%
Pendimethalin††	0.62%
OTHER INGREDIENTS:	<u>98.38%</u>
	TOTAL 100.00%

†CAS No. 19666-30-9
 ††CAS No. 40487-42-1

EPA Reg. No. 9198-230
 EPA Est. No. 538-OH-1S, 9198-OH-1M, 9198-OH-2B, 9198-AL-001A
 Underlined letter is the first letter of run code on end of container

Guaranteed Analysis (XX-X-X)

Total nitrogen (N).....XX%
 X.X % urea nitrogen
 X.X % slowly available water soluble nitrogen *
 X.X % water insoluble nitrogen

Derived from: xxxxxxxx

*Contains XX.X % slowly available nitrogen from xxxxxxxx

Product of U.S.A.

NET WEIGHT: XX.X LBS. (XX.XX kg)

WARNING

KEEP OUT OF REACH OF CHILDREN

Some components of this product may cause eye irritation.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: WARNING. Causes skin irritation. Harmful if swallowed, inhaled or absorbed through the skin. Causes eye irritation. Do not get in eyes, on skin, or on clothing. Avoid breathing dust. Attention: This product contains a chemical known to the State of California to cause cancer.

Personal Protective Equipment (PPE):

Loaders, applicators, and other handlers must wear:

- Long-sleeved shirt and long pants, and
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respirations, preferable by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-757-8951 for emergency medical treatment information.

Environmental Hazards:

This pesticide is toxic to fish. Use with care when applying to areas adjacent to any body of water. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply

directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes.

Controls:

Grassy Weeds

Annual Bluegrass (*Poa annua*)
Annual Sedge (*Cyperus compressus*)
Barnyardgrass (*Echinochloa crusgalli*)
Crabgrass, Large (*Digitaria sanguinalis*)
Crabgrass, Smooth (*Digitaria ischaemum*)
Fall Panicum (*Panicum dichotomiflorum*)
Field Sandbur (*Cenchrus incertus*)
Foxtail, Bristly (*Setaria verticillata*)
Foxtail, Green (*Setaria viridis*)
Foxtail, Yellow (*Setaria lutescens*)
Goosegrass (*Eleusine indica*)
Ripgut Bromegrass (*Bromus catharticus*)
Wild Oats (*Avena fatua*)

Broadleaf Weeds

Bittercress (*Cardamine pensylvanica*)
Bristly Oxtongue (*Picris echioides*)
Carpetweed (*Mollugo verticillata*)
Cheeseweed (*Malva parviflora*)
Common Chickweed (*Stellaria media*)
Common Groundsel (*Senecio vulgaris*)
Fiddleneck (*Amsinckia intermedia*)
Fireweed (*Epilobium angustifolium*)
Knotweed, Prostrate (*Polygonum aviculare*)
Lambsquarters (*Chenipodium album*)
Niruri (*Phyllanthus niruri*)
Oxalis (*Oxalis stricta*)
Purslane (*Portulaca oleracea*)
Pigweed (*Amaranthus retroflexus*)
Shepardspurge (*Capsella bursa-pastoris*)
Sow Thistle (*Sonchus oleraceus*)
Speedwell (*Veronica* spp.)
Spiny Amaranth (*Amaranthus spinosus*)
Spotted Catsear (*Hypochaeris radicata*)
Spurge, Prostrate (*Euphorbia maculata*)
Spurge, Roundleaf (*Euphorbia cordifolia*)
Yellow Woodsorrel (*Oxalis stricta*)

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons or pets, either directly or through drift. Only protected handlers may be in the area during application. Keep people and pets out of the treated area during application. Do not apply product in enclosed greenhouses or polyhouse structures. Avoid contamination of water sources such as lakes, streams, rivers or wells. Not for use on food-crops.

For Turfgrass

For the selective control of sprouting annual weed grasses and broadleaf weeds in established ornamental turfgrass areas such as golf course fairways, roughs and tees, cemeteries, and non-residential lawns containing bermudagrass, buffalograss, seashore paspalum, St. Augustinegrass, tall fescue, zoysiagrass, and blends of these grasses. See "Precautions" statement.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

Not for use on home lawns or other residential use sites. Not for use on established bentgrass, *Poa Annua*, fine fescue, bahiagrass, or blends of these grasses. Not for use on dichondra. Not for use on bermudagrass putting greens, or similarly maintained areas.

Direction for Turfgrass

Apply 4.6 lbs. per 1,000 sq.ft. (200 lbs. ai/acre) for control of annual weed grasses and broadleaf weeds such as crabgrass, goosegrass, foxtail, barnyardgrass, fall panicum, *Poa annua* oxalis, knotweed, purslane, and prostrate spurge, apply in the spring or fall before they sprout.

To prevent *Poa annua*, and other fall germinating weeds, apply the product at the labeled rate in late summer-early fall before germination. Repeat treatment yearly for continued control. Repeat treatment should not be made until the following spring.

Turfgrass Species	Weeds	Rates of Product	Comments
Warm Season Grasses	crabgrass	200 lbs./acre	In regions with an extended growing season (greater than 6 months) apply a repeat application 2 – 4 months later for continued weed control. Use the shorter interval where a heavier weed infestation is expected.
Bermudagrass (Not for use on greens)	goosegrass	(4.6 lbs./1,000 sq. ft.)	
Buffalograss	foxtail	prior to weed germination	
Seashore Paspalum	<i>Poa annua</i>		
St. Augustinegrass	barnyardgrass	(1.25 lbs. ai/acre	
Tall Fescue	fall panicum	Pendimethalin)	
Zoysiagrass	field sandbur		
	annual sedge	(2.00 lbs. ai/acre	
	oxalis	Oxadiazon)	
Cool Season Grasses	prostrate spurge		
Kentucky bluegrass	purslane		
Perennial ryegrass	knotweed		
Tall fescue	chickweed		

Apply the product uniformly to **dry foliage** at the labeled rate with a properly calibrated spreader. **Do not apply to moist turfgrass foliage.** For best results, water after application (¼ – ½ inch) to remove the granules from the foliage and to move the product to the soil surface. This is important to maximize product safety and efficacy.

To improve performance, do not mow the treated area until the product has been watered in and turf foliage has dried.

If turf is starting to green up, water immediately after application to remove the granules from the foliage.

Precautions:

Application of this product to bermudagrass overseed with cool season turfgrass species may injure and thin the overseeding.

When applied to dormant bermudagrass, green-up may be delayed 2 to 3 weeks in the spring. The delay in green-up may be more extensive in low-cut bermudagrass and on sandy soils.

This product may cause discoloration and thinning where over-applications have been made if the turfgrass is under severe stress conditions (disease, drought, low temperature — below 40°F, excessive soil moisture, scalping, etc.).

Avoid application to cement, stone, clothing, or shoes. If contact occurs, brush off particles to prevent staining. If necessary, rinse with water.

If metallic surfaces (golf course equipment, automobiles, etc.) are present at the application site, do not use this product under windy conditions (5 – 10 MPH) due to its staining potential.

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Restrictions:

Do not apply this product when turf is under stress (heat, drought).

Allow at least a 3-month span between any two applications.

Allow at least one week between application of this product and other control products. (This guideline can be relaxed where severe insect or disease attack requires immediate treatment.)

Do not graze treated areas.

Do not feed clippings to livestock.

Properties of all Dinitroaniline (DNA) herbicides products

- Following treatment, may cause temporary slowing of turf fill-in and stolon/rhizome rooting.
- Requires a waiting period before seeding or sprigging.

Seeding and sprigging intervals after treatment

- For perennial ryegrass winter overseedings or reseeding with other large sized seed turfgrass species (e.g. tall fescue), residual effectiveness requires a delay of 3 months after last treatment before seeding.
- For bermudagrass seeding or other small sized seeded turfgrass species, wait four (4) months after last treatment before seeding.
- Two-three growing months are required before sprigging consult your Andersons representative for specific recommendations.

Treatment interval after seeding or sprigging

- Wait until the grass seedlings have been mowed four (4) times and the new turf stand is uniform, dense, and not in need of reseeding.
- On newly sprigged bermudagrass or other vegetative planted turfgrasses wait until the new grass has filled in and the stolons have rooted down before application.

Do not apply more than a cumulative total of 600 lbs product per acre (13.7 lbs./1,000 sq.ft.) per year (Oxadiazon, 6.0 lbs. ai/ac/year; Pendimethalin, 3.75 lbs. ai/ac/year) on warm season turfgrasses.

This product does not control germinated or established weeds.

Prior to seeding and sprigging, the soil surface should be disturbed or worked to dilute any remaining chemical residue.

Do not destroy the chemical barrier by raking or aerifying. Complete any raking or aerifying of the turf **before** treatment so that the protective chemical barrier against the weeds is not destroyed after application.

Spreader Settings Rate = 4.6 lbs. per 1,000 sq. ft. or 200 lbs. per acre These spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product.			
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS
Lbs. ai/A pendimethalin, oxadiazon			1.25, 2.0
Andersons AccuPro 2000, SR-2000 (cone X)	X mph	XX ft/	X
Andersons AccuPro 1000	X mph	XX ft	X
Scotts R-8A (cone X)	X mph	XX ft	X
Andersons SS-2 Drop	X mph	overlap wheels	X
Lely Models WTR, WFR, HR 1250 (PTO at 450 rpm)	X mph	XX ft	X

*Note: This list of spreaders and settings will vary dependent on market availability of spreaders.
(this note will not appear on final label)*

For production nursery and ornamentals

Directions for ornamentals

Apply this product at 200 pounds per acre per application with rotary spreaders or air-flow spreaders such as a Valmar applicator. The application rate is equivalent to 2g per square foot, 200 grams per 100 square feet, or 4.60 pounds per 1,000 square feet. Utilize The Andersons calibration tray in determining the application.

For control of annual weed grasses and broadleaf weeds such as crabgrass, goosegrass, foxtail, barnyardgrass, fall panicum, *Poa annua* oxalis, knotweed, purslane, and prostrate spurge, apply in the spring or fall before they sprout.

To prevent *Poa annua*, and other fall germinating weeds, apply the product at the labeled rate in late summer-early fall before germination. Repeat treatment yearly for continued control. Repeat treatment should not be made until the following spring.

Always run a trial application on the desired species prior to treating full-scale. Typically this is performed with at least 15 plants under the same conditions as expected for full-scale applications. Wait a minimum of one week to evaluate potential plant injury symptoms to occur.

Additional Directions

Apply the product uniformly to dry foliage at the labeled rate with a properly calibrated spreader. Do not apply to moist foliage. For best results, water after application ($\frac{1}{4}$ – $\frac{1}{2}$ inch) to remove the granules from the foliage and to move the product to the soil surface. This is important to maximize product safety and efficacy.

Do not apply more than a cumulative total of 600 lbs product per acre (13.7 lbs./1,000 sq.ft.) per year (Oxadiazon, 6.0 lbs. ai/ac/year; Pendimethalin, 3.75 lbs. ai/ac/year).

Allow at least a 3-month span between any two applications.

This product does not control germinated or established weeds.

Do not destroy the chemical barrier by raking or aerifying. Complete any raking or aerifying of the turf before treatment so that the protective chemical barrier against the weeds is not destroyed after application.

Allow at least one week between application of this product and other control products. (This guideline can be relaxed where severe insect or disease attack requires immediate treatment.)

TREES

Apple (*Malus* spp.)
Crabapple (*Malus* spp.)
Arborvitae (*Thuja* spp.)
Ash (*Fraxinus* spp.)
Bald Cypress (*Taxodium distichum*)
Leyland Cypress (*Cupressocyparis leylandii*)
Cedar (*Thuja* spp.)
Cedar, Red (*Juniperus virginiana*)
Cedar, Atlas (*Cedrus atlantica*)
Dogwood (*Cornus* spp.)
Elm (*Ulmus japonica*)
Fir, Douglas (*Pseudotsuga menziesii*)
Ginkgo (*Ginkgo biloba*)
Holly (*Ilex* spp.)
Lilac (*Syringa* spp.)
Magnolia (*Magnolia* spp.)

Maple (*Acer* spp.)
Oak (*Quercus* spp.)
Palm several
Pine (*Pinus* spp.)
Poplar (*Populus* spp.)
Redwood, Dawn (*Metasequoia glyptostoboides*)

SHRUBS

Bamboo (*Bambusa* spp.)
Barberry (*Berberis* spp.)
Boxwood (*Buxus* spp.)
Butterfly Bush (*Buddleia davidii*)
Camellia (*Camellia* spp.)
Deutzia (*Deutzia gracilis*)
Escallonia (*Escallonia* spp.)
Euonymus (*Euonymus* spp.)
Forsythia (*Forsythia intermedia*)
Fothergilla (*Fothergilla gardenii*)
Gardenia (*Gardenia jasminoides*)
Honeysuckle (*Diervilla / Lonicera* spp.)
Holly (*Ilex* spp.)
Hydrangea (*Hydrangea arborescens*)
Juniper (*Juniperus* spp.)
Laurel (*Prunus* spp.)
Laurel (*Kalmia latifolia*)
Luecothoe (*Luecothoe* spp.)
Lilac (*Syringae* spp.)
Lily of the Nile (*Agapanthus* spp.)
Grape Holly (*Mahonia aquafolium*)
Mock Orange (*Pittosporum tobira*)
Mock Orange (*Philadelphus virginialis*)
Myrtle (*Myrtus communis*)
Nandina (*Nandina domestica*)
Oleander (*Nerium oleander*)
Osmanthus (*Osmanthus* spp.)
Photinia, Fraser (*Photinia fraseri*)
Privet (*Lygustrum* spp.)
Pyracantha (*Pyracantha coccinea*)
Rose (*Rosa* spp.)
Sweet Pepperbush (*Clethra* spp.)
Yew (*Taxus* spp.)

Perennial and Annual Ornamentals and Groundcovers

Acacia (*Acacia redolens*)
Ageratum (*Ageratum* spp.)
Ajuga (*Ajuga* spp.)
(*Aquilegia* spp.)
Artemisia (*Artemisia schmidtiana*)
Asters (*Aster* spp.)
Astilbe (*Astilbe* spp.)
Baby's Breath (*Gypsophila* spp.)
Bee Balm (*Monarda didyma*)
Bergenia (*Bergenia* spp.)
Blanket Flower (*Gaillardia* spp.)
Blue Wild Indigo (*Baptisia australis*)
Campanula (*Campanula carpatia*)
Canna Lilies (*Canna* spp.)
Cat Mint (*Nepeta fassenii*)
Coneflower (*Rudbeckia* spp.)
Coreopsis (*Coreopsis lanceolata*)
Echinacea (*Echinacea purpurea*)
Epimedium (*Epimedium* spp.)
Eupatorium (*Eupatorium rugosum*)

Dianthus (Dianthus deltoides)
Yellow Foxglove (Digitalis grandiflora)
Gaillardia (Gaillardia spp.)
Gazania, Trailing (Gazania leucolaena)
Gazania (Gazania spp.)
Geraniums (Pelargonium spp.)
Gladiolas (Gladiolus spp.)
Gaura (Gaura lindheimeri)
Hosta (Hosta spp.)
Heuchera (Heuchera micrantha)
Ice Plant (Carpobrotus edulis)
Ivy (Hedera spp.)
Jasmine (Jasminium mesnyi)
Jasmine Primrose (Trachelospermum spp.)
(Lamium album)
Leopards-Bane (Doronicum cordatum)
(Lavandula angustifolia)
Liatris (Liatris spicata)
Lily (Lilium orientalis)
(Miscanthus sinensis)
Pachysandra (Pachysandra terminalis)
Penstemon (Penstemon barbatus)
Peony (Paeonia spp.)
Periwinkle (Vinca spp.)
Phlox (Phlox subulata)
Potentilla (Potentilla spp.)
Rudbeckia (Rudbeckia fulgida)
Russian Sage (Perovskia atriplicifolia)
Salvia (Salvia nemorosa)
Scabiosa (Scabiosa spp.)
St. Johnswort (Hypericum spp.)
Veronica (Veronica spicata)
Wisteria (Wisteria sinensis)
Yarrow (Achillea millefolium)
Ornamental Grasses
Blue Fescue (Festuca ovina)
Calamagrostis (Calamagrostis acutiflora)
Purple Fountain (Pennisetum rubrum)

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in a clean, dry place. Reseal opened bag by folding top down and securing.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative of the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Nonrefillable container. Do not refill or reuse this container. Offer for recycling if available. If not available, then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is

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manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

Manufactured by:
The Andersons Lawn Fertilizer Division, Inc.
P.O. Box 119
Maumee, OH 43537

Date Printed:	10/7/14
Date Approved:	7/6/05
Supersedes:	NEW
Label change:	7/6/05
Filename:	9198-230
Label code:	AMD100714